

One-Way Set Associative (direct mapped)

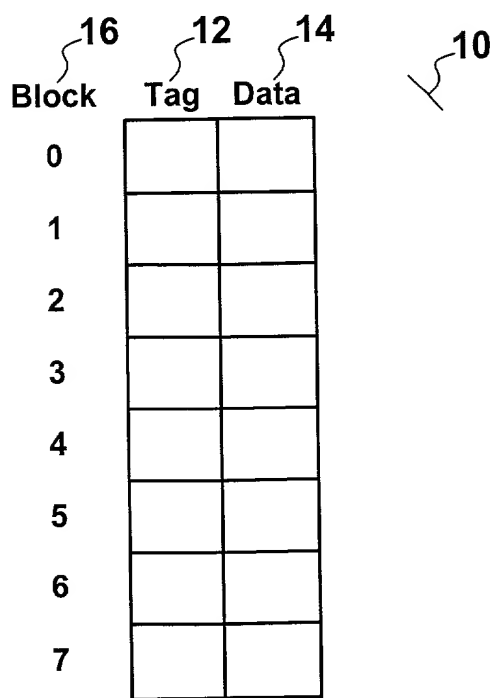


Fig. 1A
(Prior Art)

Two-Way Set Associative

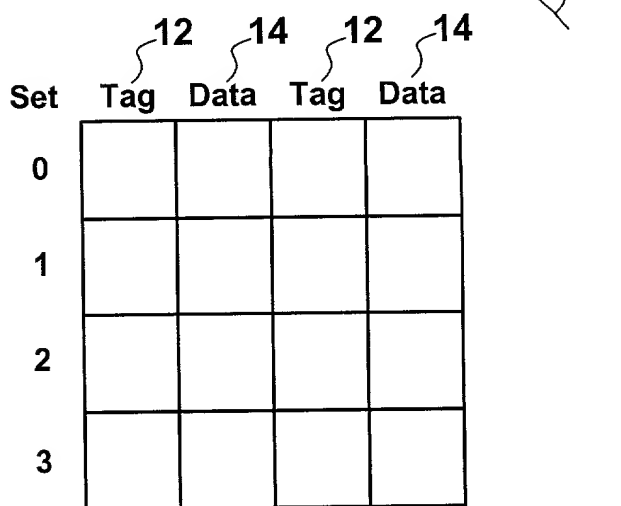


Fig. 1B
(Prior Art)

Four-Way Set Associative

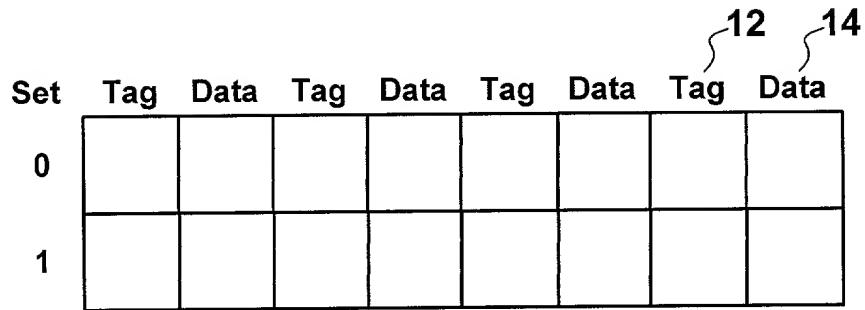


Fig. 1C
(Prior Art)

Eight-Way Set Associative
(fully associative)

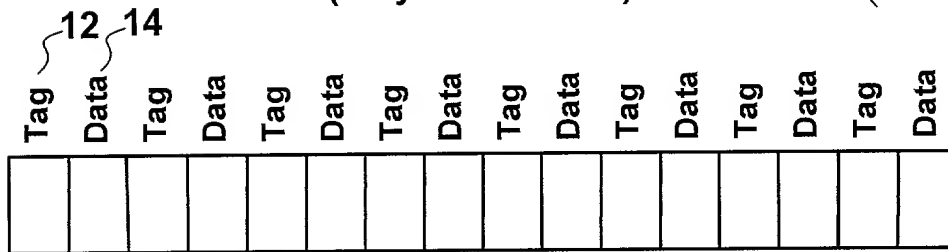


Fig. 1D
(Prior Art)

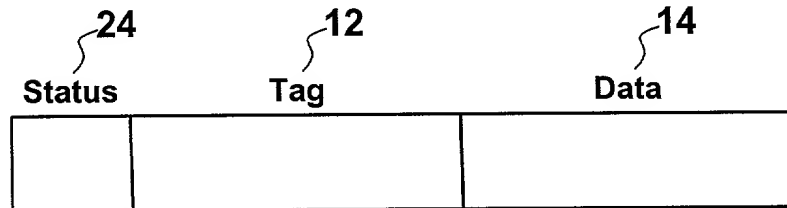


Fig. 1E
(Prior Art)

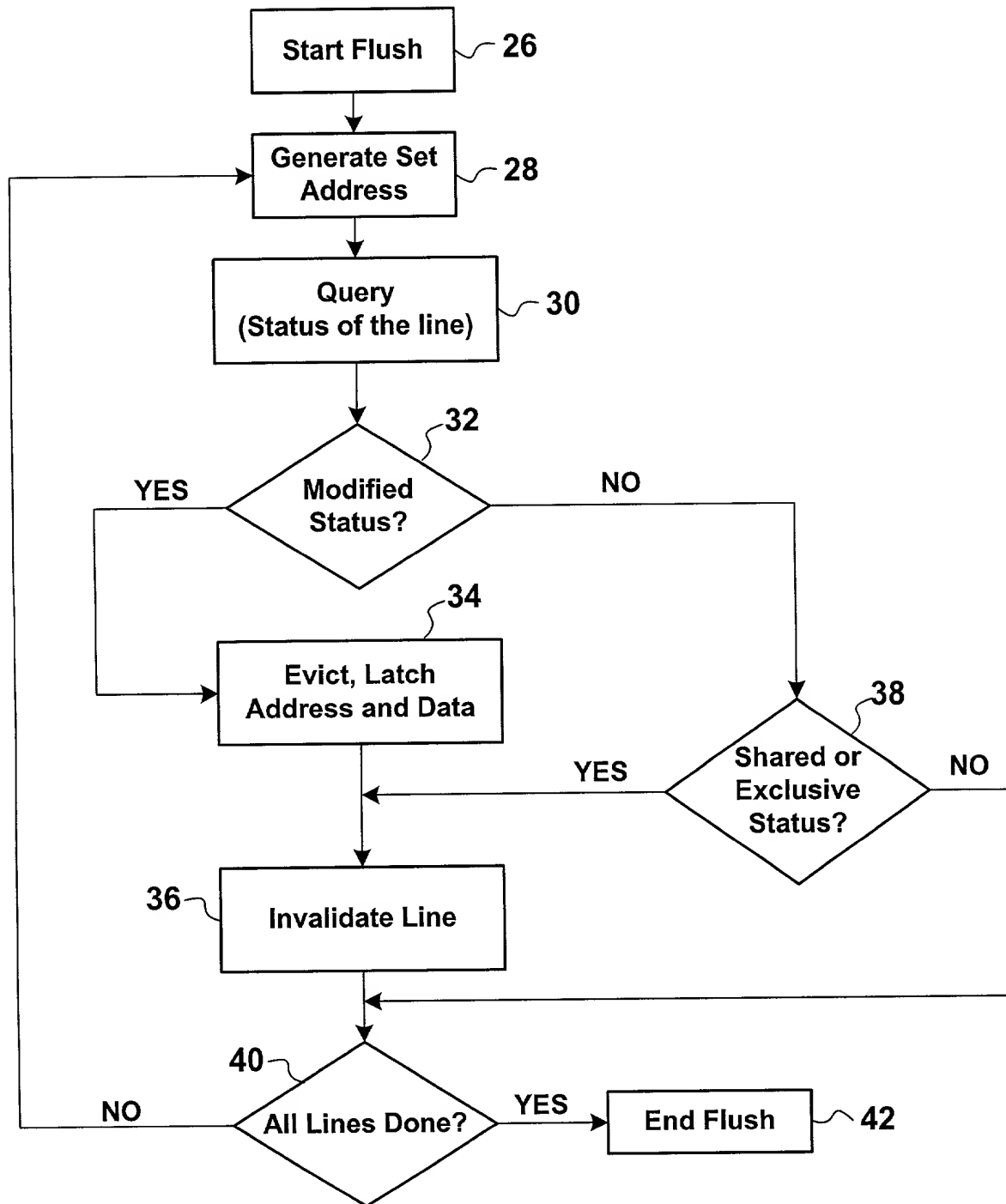
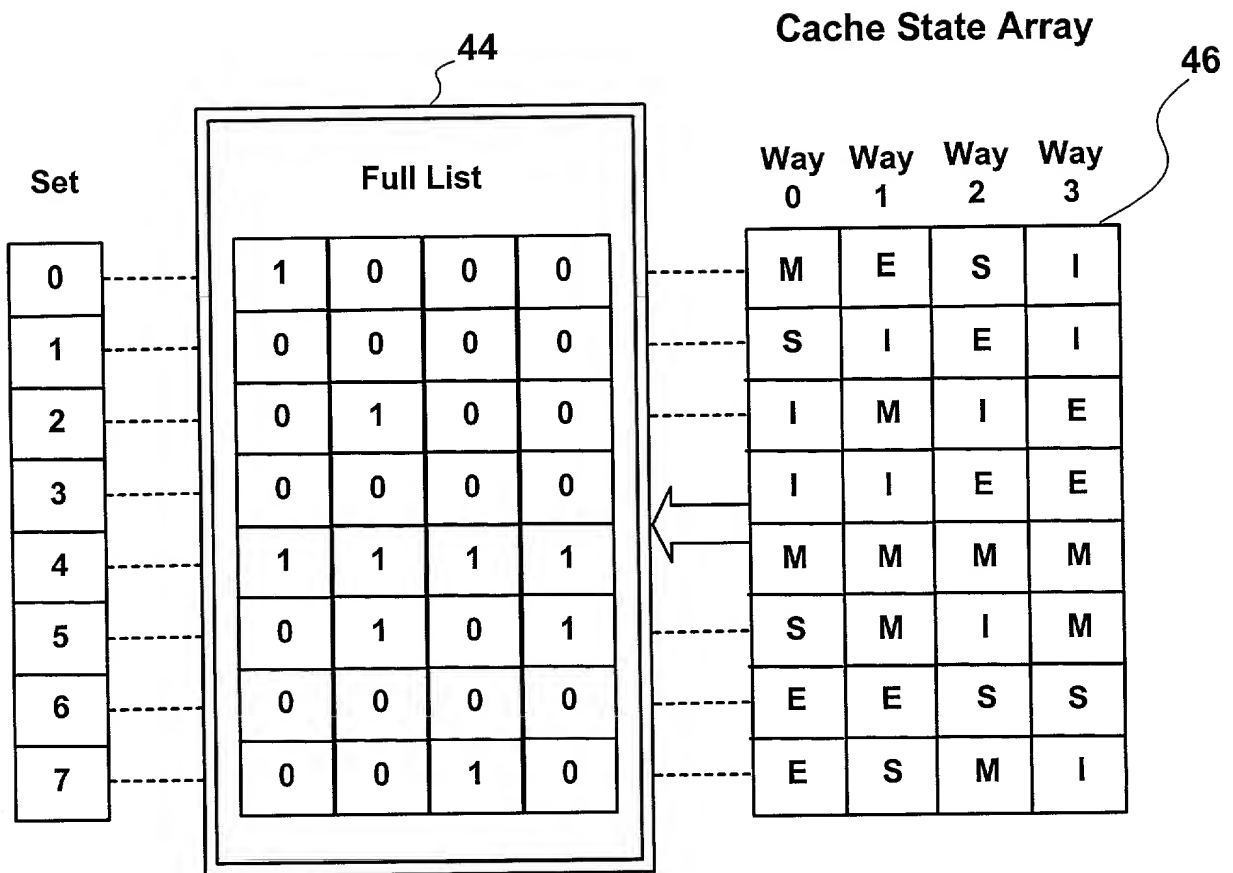
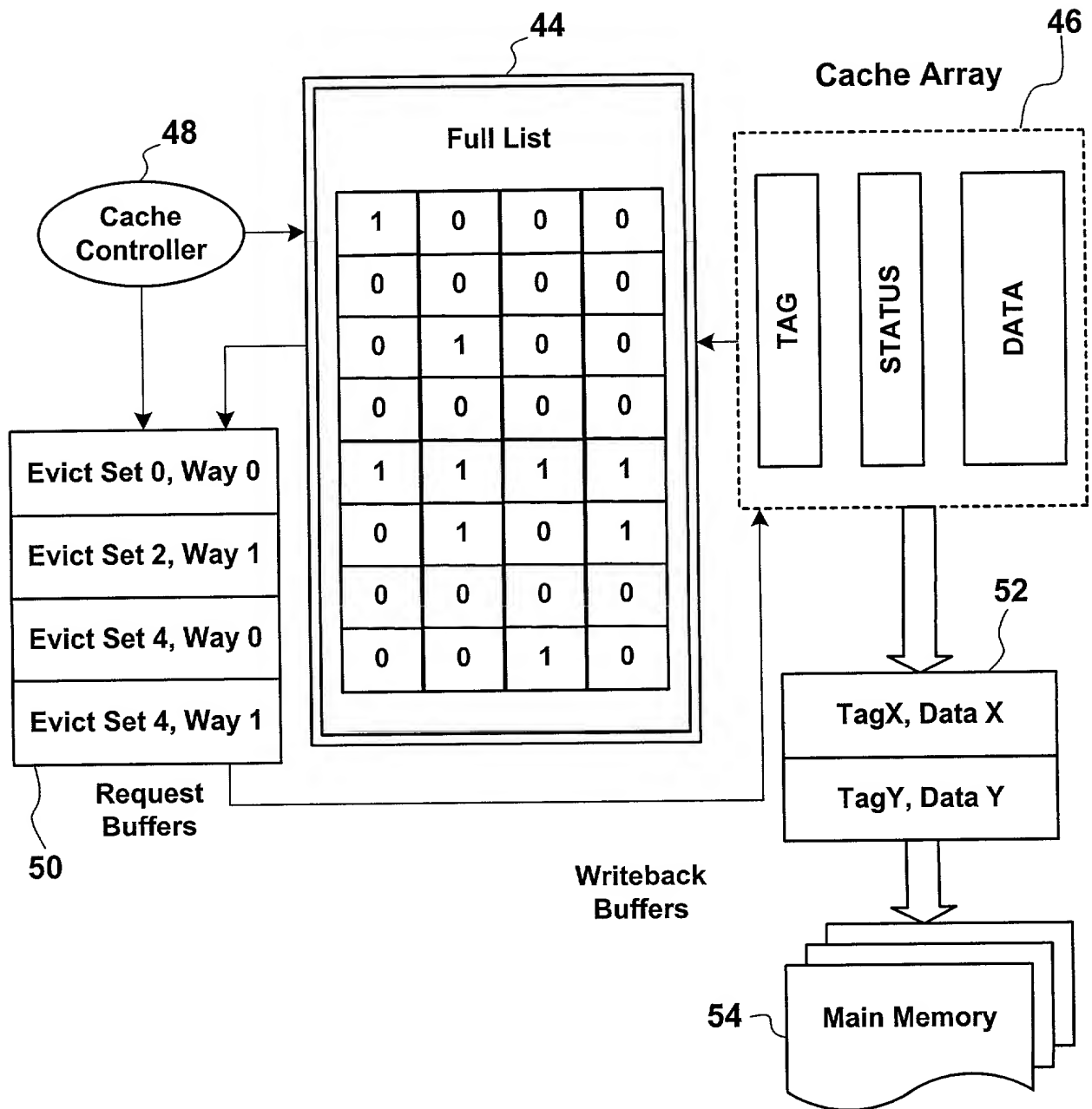


Fig. 2
(Prior Art)

**Fig. 3**

**Fig. 4**

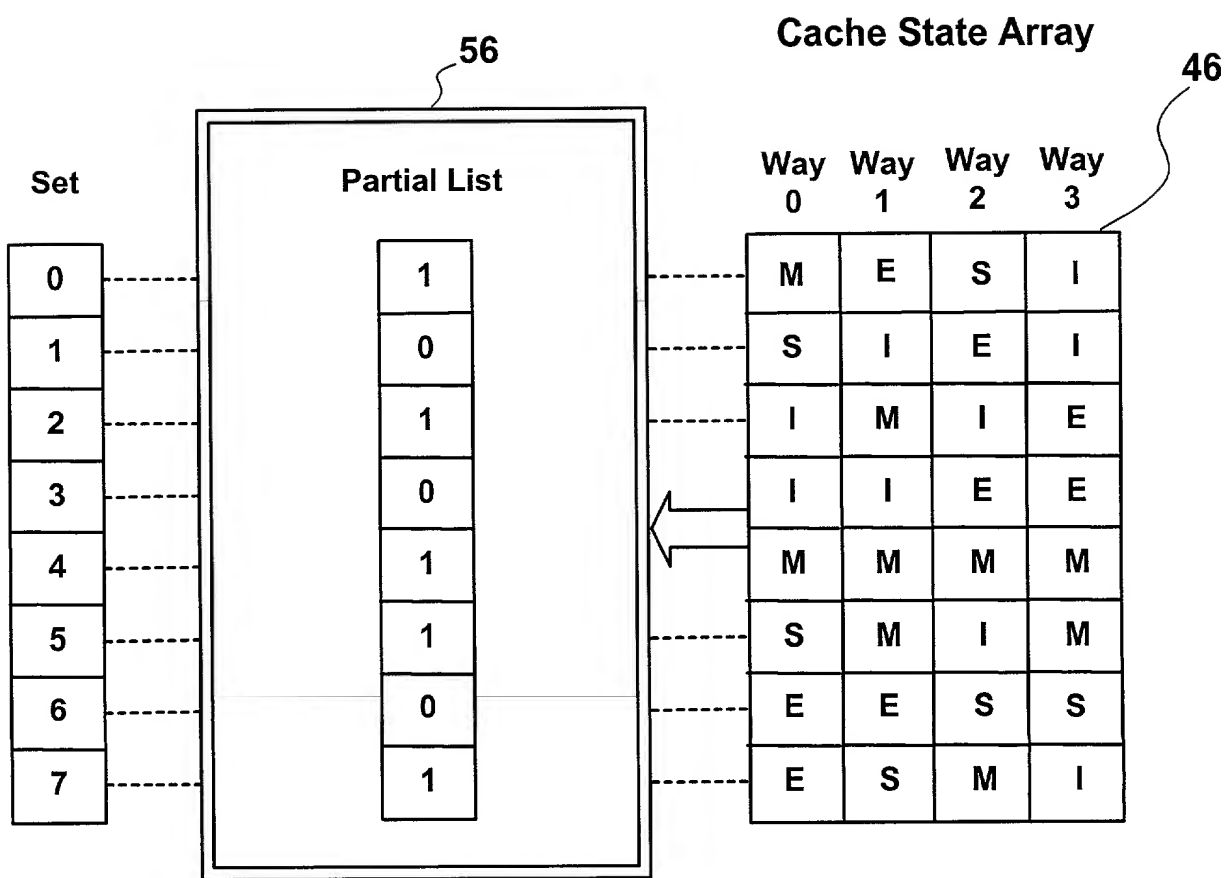
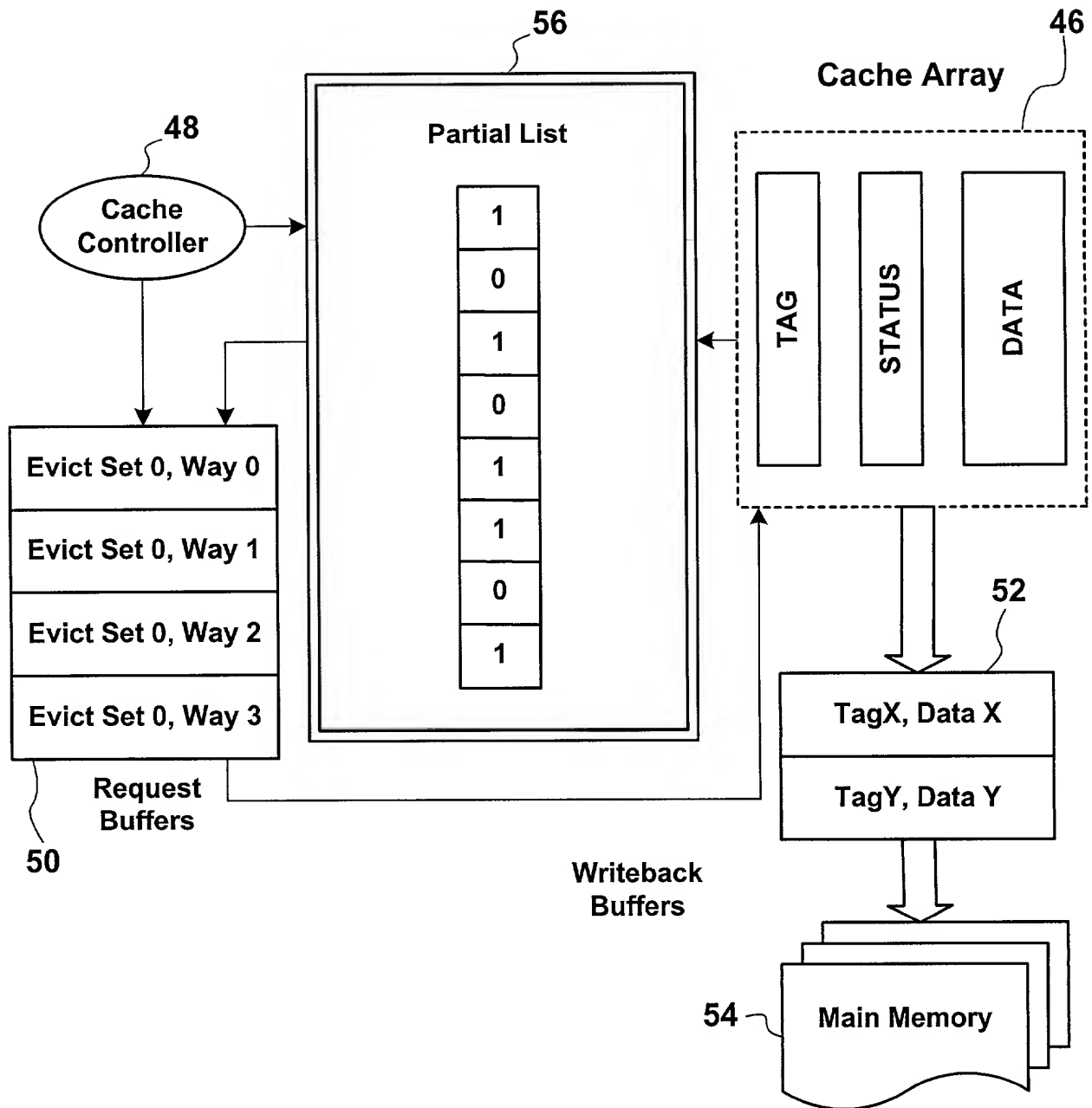
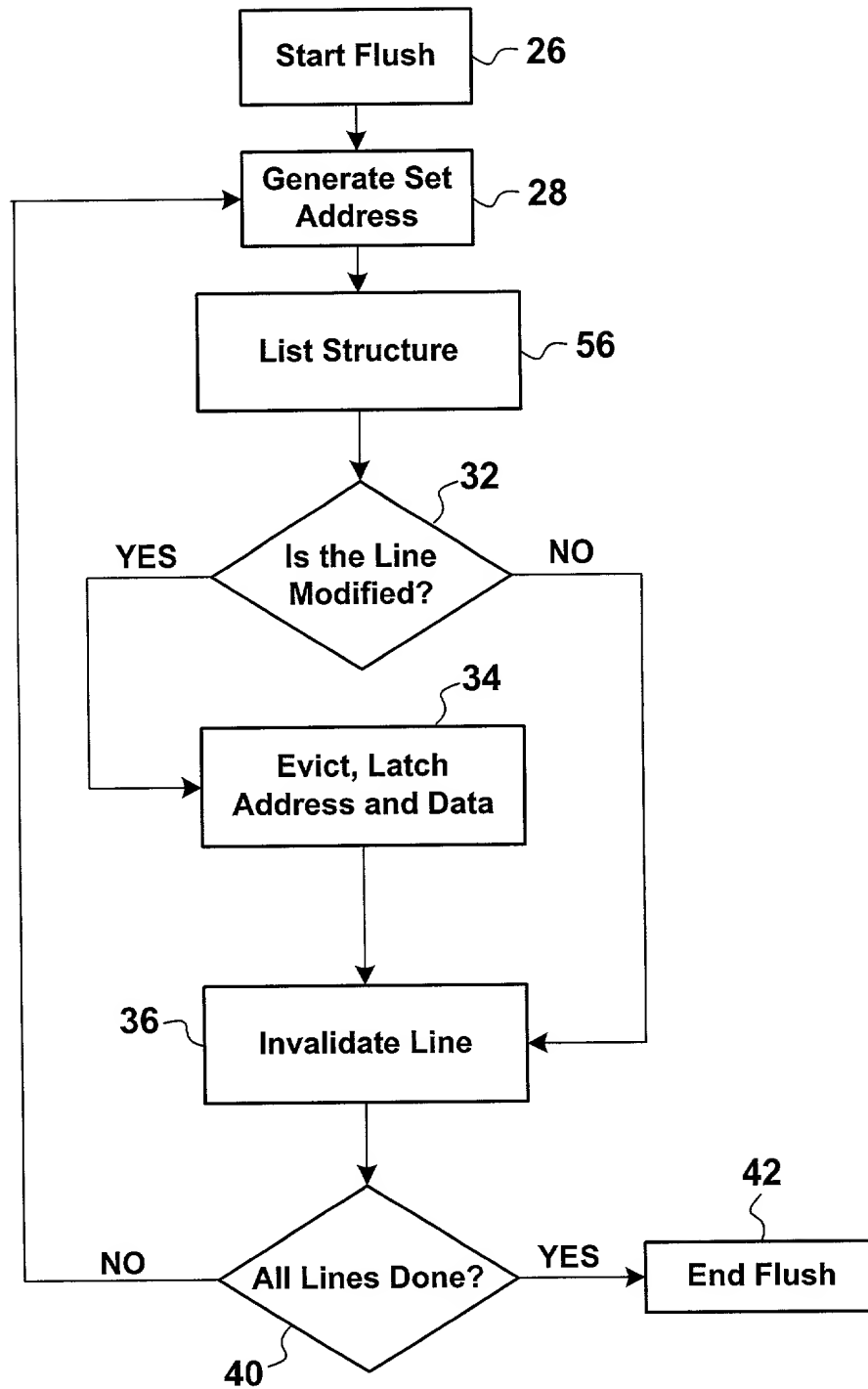
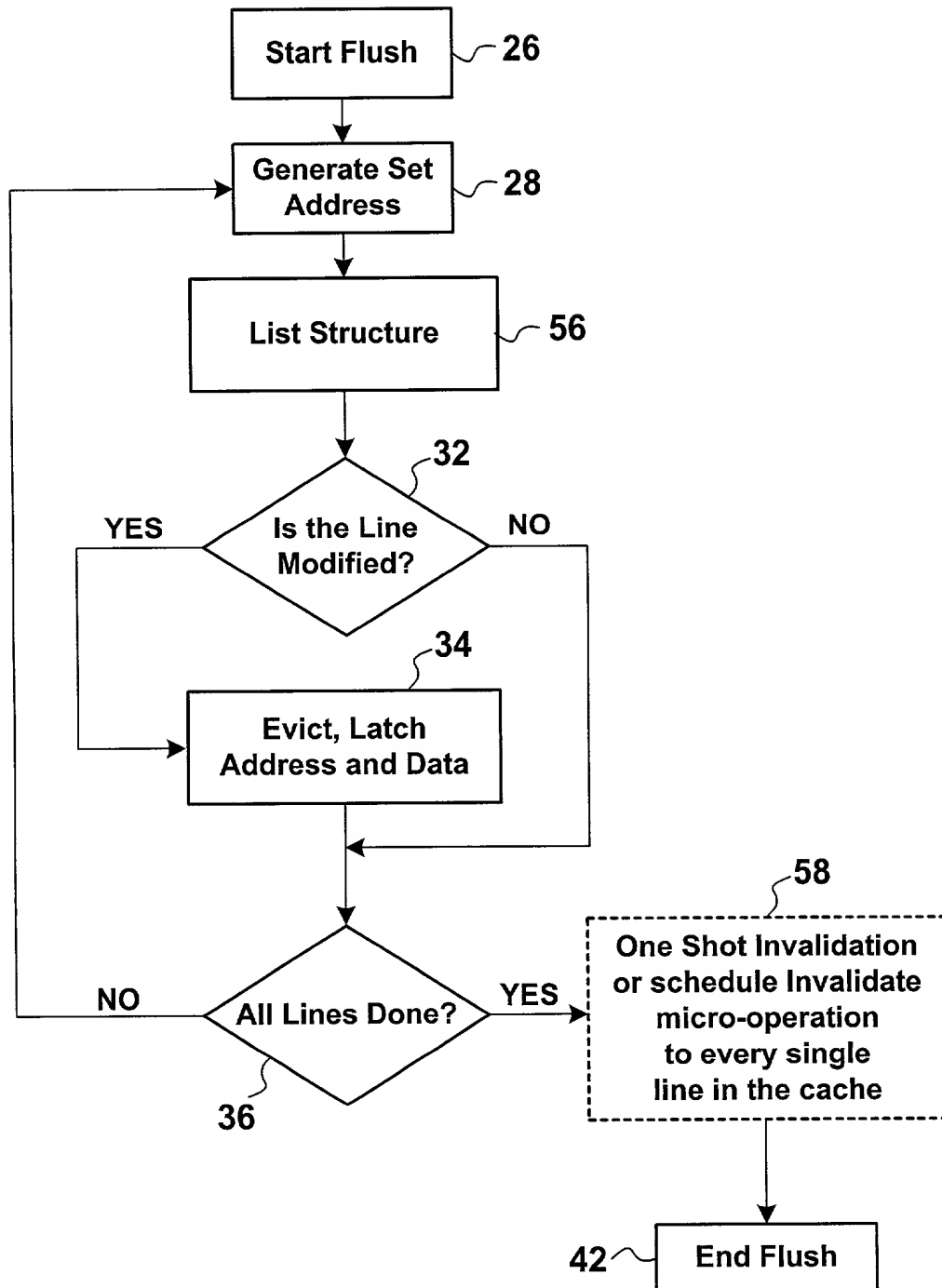


Fig. 5

**Fig. 6**

**Fig. 7A**

**Fig. 7B**